



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|----------------------------|------------------------|
| 10/716,197 | 11/17/2003 | John Phillips | 91489 MGB | 4122 |
| 1333 7590 07/21/2009 EASTMAN KODAK COMPANY PATENT LEGAL STAFF 343 STATE STREET ROCHESTER, NY 14650-2201 | | | EXAMINER WINTER, JOHN M | |
| | | | ART UNIT 3685 | PAPER NUMBER |
| | | | MAIL DATE 07/21/2009 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/716,197

Applicant(s)

PHILLIPS ET AL.

Examiner

JOHN M. WINTER

Art Unit

3685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 49-51, 53, 55-60, 64 and 66-87 is/are pending in the application.
- 4a) Of the above claim(s) ___ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ___ is/are allowed.
- 6) ☒ Claim(s) 49-51, 53, 55-60, 64 and 66-87 is/are rejected.
- 7) ☐ Claim(s) ___ is/are objected to.
- 8) ☐ Claim(s) ___ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ___ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Acknowledgements

1. The Applicants amendment filed on October 7, 2008 is hereby acknowledged, Claims 49-51, 53, 55-60, 64, and 66-87 remain pending.

Response to Arguments

2. The Applicant states that in all embodiments of Akiyama et al. the master storage medium is a data storage device that is in possession of the recipient. Thus, there is no need and thus no suggestion in Akiyama et al. to generate a bundle store identifier in addition to the bundle identifier because the bundle store is already in the possession of the recipient.

The Examiner responds that Akiyama et al. discloses that the creation of the token which controls access to the content (i.e. bundle) is created at a central site, the token contains the ID of the content that it allows access to, i.e. "bundle identification information.

"FIG. 4 shows a software copying procedure, which is roughly divided into two parts: steps at the end user's site (the right half of FIG. 4) and steps at the central site (the left half of FIG. 4). At the end user's site, a terminal station (e.g., a personal computer) performs actual data processing jobs pertaining to the software copying, while several devices located at the central site manages license for the software copying. Those two sites are interconnected by a communication line or a delivery channel" (Column 5, lines 39-48), Examiner notes that the term "bundle store identifier is not a feature of the claimed invention.

The Applicant states that Akiyama et al. does not teach storing the bundle in a location accessible by a bundler server. The Examiner submits that as stated above, the server is able to access the bundle in order to create a token for licensing the content .

The Applicant states that Aldyama et al. discloses "receiving a request for the bundle from the recipient". Akiyama et al. does not teach the bundle server (Akiyama central server) receiving a request for the bundle from the token recipient (Akiyama client computer). Rather, Akiyama teaches the central server receiving a license request which results in the return of a signature authorizing the copying of data from the medium 1 to the client computer storage medium 3. No transfer of the file or files to be shared from the central site to the client site occurs.

The Examiner responds that this feature is disclosed by Huseman et al., at column 1, lines 36-62, the client recies an electronic ticket (i.e. transfer of file) from a remote server.

Additionally, the newly added language directed to the shared files and to the bundle are representative of non-functional descriptive material. And, it has been held that data stored in memory that is not functionally related to the memory will not differentiate the claims from the prior art- In re Gulack, 217 USPQ 401 (Fed. Cir. 1983), In re Ngai, 70 USPQ2d (Fed. Cir. 2004), In re Lowry, 32 USPQ2d 1031 (Fed. Cir. 1994); MPEP 2106.01 II. Also, it has been held that a clause (e.g. wherein, whereby, thereby) that merely states the result of the limitations in the claim adds nothing to the patentability or substance of the claim (Texas Instruments Inc. v. International Trade Commission 26, USPQ2d 1010 (Fed. Cir. 1993); Griffin v. Bertina, 62 USPQ2d 1431

(Fed. Cir. 2002); Amazon.com Inc. v. Barnesandnoble.com Inc., 57 USPQ2d 1747
(CAFC 2001)

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
4. A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
5. Claims 49-51, 53, 55-60, 64 and 66-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Akiyama et al (US Patent 5,805,699) over Hoffert et al. in view of Huseman et al. (US Patent 6,192,349)
6. As per claim 49
Akiyama et al. discloses a method for sharing data with one or more recipients, the method comprising:
identifying a selection of data comprising a file or files to be shared; creating and storing a bundle containing the file or files and information about the selection of data in a location accessible by a bundle server; associating bundle identification information with the bundle; (Column 3, lines 41-50)
establishing communication between the recipient and the bundle server;

receiving a request for the bundle from the recipient, the request comprising, at least in part, the bundle identification information from the token; (Column 4, lines 4-24)

Akiyama et al. does not explicitly disclose creating a token representing the bundle, the token including the bundle identification information; providing the token to a recipient not yet possessing the file or files; Hoffert et al. discloses creating a token representing the bundle, the token including the bundle identification information; providing the token to a recipient not yet possessing the file or files; (Column 3, lines 14-20, general discussion of indexing remote websites -- the index that is created is analogous to the "token" -- the content referenced by the index is analogous to the "bundle"). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the Akiyama et al. method with the Hoffert et al. method in order to allow the preview of content using minimum bandwidth to transfer data.

Akiyama et al. does not explicitly disclose transmitting a copy of the bundle containing the file or files to be shared to the recipient having the token; and wherein the shared files are directly accessible only via the bundle, and wherein the blundle is only accessible through the bundle server by providing the bundle identification information, and wherein the bundle identification information associated with the bundle comprises: a bundle identifier, a bundle store identifier; and an encrypted bundle name corresponding to a bundle name associated with the bundle, the encrypted bundle name generated using a bundle store private key; Huseman et al. discloses transmitting a copy of the bundle containing the file or files to be shared to the recipient having the token; and wherein the shared files are directly accessible only via the bundle, and wherein the blundle is only

accessible through the bundle server by providing the bundle identification information, and wherein the bundle identification information associated with the bundle comprises: a bundle identifier, a bundle store identifier; and an encrypted bundle name corresponding to a bundle name associated with the bundle, the encrypted bundle name generated using a bundle store private key.(Column 1, lines 36-62, -- request token equivalent to “bundle name”) It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the Akiyama et al. method with the Hoffert et al. method in order to preserve the integrity of the transaction by protecting it from falsification.

7. Claims 53, 55, 57-58 ,60, 64 are in parallel with claim 49 and are rejected for at least the same reasons.

8. As per claim 50

Akiyama et al. discloses a method according to claim 49, wherein creating the bundle comprises storing the bundle in a bundle store, the bundle store associated with a bundle store sharer identity, the bundle store sharer identity being unique among a plurality of bundle store sharer identities corresponding to a plurality of bundle stores accessible to the bundle server, the bundle store containing one or more bundles, corresponding to a sharer, the sharer having a sharer identity, matching the bundle store sharer identity (Column 4, lines 4-23).

9. As per claim 51,

10. Akiyama et al. discloses a method according to claim 50,

wherein the bundle store is associated with a bundle store key pair generated by an asymmetric encryption system, the key pair including a bundle store public key and a bundle store private key and wherein creating the token comprises including the bundle store public key in the token (Figure 6).

11. As per claim 56,

Akiyama et al. discloses a method according to claim 69,

Akiyama does not specifically disclose “incrementing the retrieval count each time a copy of the bundle is provided to a recipient”

Official Notice is taken that “incrementing the retrieval count each time a copy of the bundle is provided to a recipient” is common and well known in prior art in reference to electronic transactions. It would have been obvious to one having ordinary skill in the art at the time the invention was made to increment a copy count in order to ensure that a users license count has not been exceeded.

12. As per claim 59,

Akiyama et al. discloses a method according to claim 69,

Akiyama does not specifically disclose “obtaining a current date, and, communicating with the bundle server only if the expiry date is later than the current date”

Official Notice is taken that “obtaining a current date, and, communicating with the

bundle server only if the expiry date is later than the current date” is common and well known in prior art in reference to electronic transactions. It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize a date in order to ensure that the client has a valid license.

13. As per claim 67,

Akiyama et al. discloses a method according to claim 66, comprising delivering said bundle when said testing determines that said communication includes said bundler identifier(Column 3, lines 41-65).

14. As per claim 68,

Akiyama et al. discloses a method according to claim 67, wherein said receiving is from said recipient computer system and said delivering is to said recipient computer system (Figure 4) .

15. As per claim 69,

Akiyama et al. discloses a method according to claim 68, wherein said bundle server comprises another computer system separate from said sharer computer system and said recipient computer system, said bundle server includes said bundle store, and said creating further comprises sending said files to said bundle Server (Figure 4).

16. As per claim 70,

Akiyama et al. discloses a method according to claim 69,

Akiyama does not specifically disclose “providing said token as an attachment to an e-mail communication”

Official Notice is taken that “providing said token as an attachment to an e-mail communication” is common and well known in prior art in reference to electronic transactions. It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize email to send a token because this is an inexpensive and reliable manner to deliver information.

17. As per claim 71,

Akiyama et al. discloses a method according to claim 66,

wherein said bundle server comprises another computer system separate from said sharer computer system and said recipient computer system, said bundle server includes said bundle store, and said creating further comprises sending said files and/or folders to said bundle server (Figure 4).

18. As per claim 72,

19. Akiyama et al. discloses a method according to claim 66,

20. further comprising maintaining a record of contents of said delivered bundle (Column 3, lines 41-65).

21. As per claim 73,

Akiyama et al. discloses a method according to claim 66,
further comprising maintaining a copy of said bundle following said delivering (Column
3, lines 41-65).

22. As per claim 74,

Akiyama et al. discloses a method according to claim 66,
wherein said generating further comprises deriving contextual information about said
selection of files and adding said contextual information to said token (Column 4, lines
25-42).

23. As per claim 75,

Akiyama et al. discloses a method according to claim 74
wherein said contextual information includes a digest of said bundle (Column 4, lines 25-
42).

24. As per claim 76,

Akiyama et al. discloses a method according to claim 69,
Akiyama does not specifically disclose “following said generating of said token and prior
to said sending of said token, allowing the sharer to alter said bundle in said bundle store”
Official Notice is taken that “following said generating of said token and prior to
said sending of said token, allowing the sharer to alter said bundle in said bundle store” is

common and well known in prior art in reference to electronic transactions. It would have been obvious to one having ordinary skill in the art at the time the invention was made to alter a bundle prior to shipping in order to allow a consumer to change or update an order.

25. As per claim 77,

Akiyama et al. discloses a method according to claim 66 further comprising sending said token to a plurality of additional recipient computer systems, repeating said receiving, testing, and delivering at least once (Column 4, lines 4-23).

26. As per claims 78-82

Akiyama et al. discloses a method according to claim 66
Official Notice is taken that “maintaining a ratio of a number of the possible values of the bundle to a number of bundles in the bundle store to be at least $10^{20} : 1$ ” etc... is common and well known in prior art in reference to databases. It would have been obvious to one having ordinary skill in the art at the time the invention was made that a value would have a high ratio of values v/s possible values in order to populate a database without danger of key duplication. A database that use a license number 20 or 15 digits in length as a key would easily maintain this ratio, also a large license would be nearly impossible to “guess” (i.e. brute force crack) and ould therefore meet the limitations of claim 12 as well

27. As per claim 83,

28. Akiyama et al. discloses a method according to claim 66

wherein said bundle store is associated with a bundle store key pair generated by an asymmetric encryption system, said key pair including a bundle store public key and a bundle store private key, and wherein said generating further comprises including said bundle store public key in said token (Figure 6).

29. As per claim 84,

Akiyama et al. discloses a method according to claim 83

receiving one or more communications at said bundle server, said communications encrypted with said bundle store public key; and

sending one or more other communications from the bundle server, said communications encrypted with said bundle store private key (Figure 6).

30. As per claim 85,

31. Akiyama et al. discloses a method according to claim 83

wherein said token includes an encrypted bundle name, corresponding to a bundle name associated with the bundle, the encrypted bundle name generated using the bundle store private key (Figure 6).

32. As per claim 86,

Akiyama et al. discloses a method according to claim 66 further comprising:
receiving a pass-phrase from a user of said sharer computer
system; and prior to said sending, encrypting said token wherein said token can be
decrypted with use of said pass-phrase (Figure 6).

33. As per claim 87,

Akiyama et al. discloses a method according to claim 66 further comprising:
creating a bundle key; encrypting at least a part of said bundle using said bundle key;
and, storing said bundle key in said token (Figure 6).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this
Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP
§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37
CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE
MONTHS from the mailing date of this action. In the event a first reply is filed within
TWO MONTHS of the mailing date of this final action and the advisory action is not
mailed until after the end of the THREE-MONTH shortened statutory period, then the
shortened statutory period will expire on the date the advisory action is mailed, and any
extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

34. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN M. WINTER whose telephone number is (571)272-6713. The examiner can normally be reached on M-F 8:30-6, 1st Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Calvin Hewitt can be reached on (571) 272-6709. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

John Winter
Examiner 3685

/Calvin L Hewitt II/
Supervisory Patent Examiner, Art Unit 3685